EXPERIMENT - 11

Object Oriented Programming Lab

Aim

Write a program to demonstrate the use of friend function with Inline assignment.

Syeda Reeha Quasar

14114802719

4C7

EXPERIMENT – 11

Aim:

Write a program to demonstrate the use of friend function with Inline assignment.

Source Code:

```cpp
#include <iostream>
using namespace std;

class threeNumbers{
    private:
        int x, y, z;

    public:
        void input(){
            cout << "Enter three numbers: ";
            cin >> x >> y >> z;
        }

        friend inline void findLargest(threeNumbers t);
};

inline void findLargest(threeNumbers t){
    if (t.x > t.y && t.x > t.z) {
        cout << "Largest is:" << t.x;
    }
    else if (t.y > t.z) {
        cout << "Largest is:" << t.y;
    }
```

```cpp
    else {
        cout << "Largest is:" << t.z;
    }
}


int main(){
    threeNumbers t;
    t.input();
    findLargest(t);
    return 0;
}
```

Output:

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ inlineFriend.cpp -o inlineFriend } ; if ($?) { .\inlineFriend }
Enter three numbers: 23 45 32
Largest is:45
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ inlineFriend.cpp -o inlineFriend } ; if ($?) { .\inlineFriend }
Enter three numbers: 23 45 34
Largest is:45
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ inlineFriend.cpp -o inlineFriend } ; if ($?) { .\inlineFriend }
Enter three numbers:
12
4
23
Largest is:23
PS D:\sem 4\cpp\oops>
```

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ inlineFriend.cpp -o inlineFriend } ; if ($?) { .\inlineFriend }
Enter three numbers: 2 4 5
Largest is:5
```